

ALL 1642
11/06/01

Serial Number: 09/234,290A

CRF Processing Date:
Edited by: mt
Verified by: mt

- ☐ Changed a file from non-ASCII to ASCII
- ☐ *Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number input applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using _____
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading applicant placed a response below the subheading. This was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename a ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field according due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Number of lines in field 223 exceeded
in 3 of 18 sequences. mt

ENTERED

RECEIVED

NOV 14 2001

TECH CENTER 1600/2900

*Examiner: The above corrections must be communicated to the applicant in the first C Action. DO NOT send a copy of this form.

RECEIVED

NOV 14 2001

TECH CENTER 1600/2900

1642

RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/234,290A

TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW

Output Set: N:\CRF3\11062001\I234290A.raw

C--> 1 <110> APPLICANT: Burkly, Linda C.
 2 <120> TITLE OF INVENTION: TREATMENT FOR INSULIN DEPENDENT DIABETES
 3 <130> FILE REFERENCE: 10274-008003
 4 <140> CURRENT APPLICATION NUMBER: US/09/234,290A
 5 <141> CURRENT FILING DATE: 1999-01-20
 6 <150> PRIOR APPLICATION NUMBER: US 08/447,118
 7 <151> PRIOR FILING DATE: 1995-05-22
 8 <150> PRIOR APPLICATION NUMBER: US 08/029,330
 9 <151> PRIOR FILING DATE: 1993-02-09
 10 <150> PRIOR APPLICATION NUMBER: PCT/US94/01456
 11 <151> PRIOR FILING DATE: 1994-02-09
 12 <160> NUMBER OF SEQ ID NOS: 18
 13 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 16 <211> LENGTH: 360
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Homo sapiens
 19 <220> FEATURE:
 20 <221> NAME/KEY: misc_feature
 21 <222> LOCATION: (0)...(0)
 22 <223> OTHER INFORMATION: pBAG159 insert: HP1/2 heavy chain variable region;
 23 amino acid 1 is Glu (E) but Gln (Q) may be
 24 substituted
 25 <221> NAME/KEY: CDS
 26 <222> LOCATION: (1)...(360)
 27 <400> SEQUENCE: 1
 28 gtc aaa ctg cag cag tct ggg gca gag ctt gtg aag cca ggg gcc tca 48
 29 Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
 30 1 5 10 15
 31 gtc aag ttg tcc tgc aca gct tct ggc ttc aac att aaa gac acc tat 96
 32 Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
 33 20 25 30
 34 atg cac tgg gtg aag cag agg cct gaa cag ggc ctg gag tgg att gga 144
 35 Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
 36 35 40 45
 37 agg att gat cct gcg agt ggc gat act aaa tat gac ccg aag ttc cag 192
 38 Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
 39 50 55 60
 40 gtc aag gcc act att aca gcg gac acg tcc tcc aac aca gcc tgg ctg 240
 41 Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
 42 65 70 75 80
 43 cag ctc agc agc ctg aca tct gag gac act gcc gtc tac tac tgt gca 288
 44 Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 45 85 90 95
 46 gac gga atg tgg gta tca acg gga tat gct ctg gac ttc tgg ggc caa 336
 47 Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
 48 100 105 110

ENTERED

RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/234,290A

TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW

Output Set: N:\CRF3\11062001\I234290A.raw

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51      115      120
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54 <211> LENGTH: 120
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapiens
57 <400> SEQUENCE: 2
58      Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
59      1      5      10      15
60      Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
61      20      25      30
62      Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
63      35      40      45
64      Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
65      50      55      60
66      Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
67      65      70      75      80
68      Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
69      85      90      95
70      Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
71      100      105      110
72      Gly Thr Thr Val Thr Val Ser Ser
73      115      120
75 <210> SEQ ID NO: 3
76 <211> LENGTH: 318
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (0)...(0)
82 <223> OTHER INFORMATION: pBAG172 insert: HP1/2 light chain variable region
83 <221> NAME/KEY: CDS
84 <222> LOCATION: (1)...(318)
85 <223> OTHER INFORMATION: HP1/2 light chain variable region
86 <400> SEQUENCE: 3
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89      1      5      10      15
90      gac agg gtt acc ata acc tgc aag gcc agt cag agt gtg act aat gat      96
91      Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
92      20      25      30
93      gta gct tgg tac caa cag aag cca ggg cag tct cct aaa ctg ctg ata      144
94      Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
95      35      40      45
96      tat tat gca tcc aat cgc tac act gga gtc cct gat cgc ttc act ggc      192
97      Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
98      50      55      60
99      agt gga tat ggg acg gat ttc act ttc acc atc agc act gtg cag gct      240

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RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/234,290A

TIME: 15:54:03

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Output Set: N:\CRF3\11062001\I234290A.raw

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100      Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
101      65                      70                      75                      80
102      gaa gac ctg gca gtt tat ttc tgt cag cag gat tat agc tct ccg tac      288
103      Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
104      85                      90                      95
105      acg ttc gga ggg ggg acc aag ctg gag atc      318
106      Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
107      100                      105
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 106
111 <212> TYPE: PRT
112 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 4
114      Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
115      1                      5                      10                      15
116      Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
117      20                      25                      30
118      Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
119      35                      40                      45
120      Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
121      50                      55                      60
122      Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
123      65                      70                      75                      80
124      Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
125      85                      90                      95
126      Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
127      100                      105
129 <210> SEQ ID NO: 5
130 <211> LENGTH: 429
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
133 <220> FEATURE:
134 <221> NAME/KEY: CDS
135 <222> LOCATION: (1)...(429)
136 <221> NAME/KEY: sig_peptide
137 <222> LOCATION: (1)...(57)
138 <221> NAME/KEY: mat_peptide
139 <222> LOCATION: (58)...(429)
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (0)...(0)
142 <223> OTHER INFORMATION: pBAG195 insert: AS heavy chain variable region
143 <400> SEQUENCE: 5
144      atg gac tgg acc tgg agg gtc ttc tgc ttg ctg gct gta gca cca ggt      48
145      Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
146      -15                      -10                      -5
147      gcc cac tcc cag gtc caa ctg cag gag agc ggt cca ggt ctt gtg aga      96
148      Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
149      1                      5                      10
150      cct agc cag acc ctg agc ctg acc tgc acc gcg tct ggc ttc aac att      144

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RAW SEQUENCE LISTING

DATE: 11/06/2001

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TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW

Output Set: N:\CRF3\11062001\I234290A.raw

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151      Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
152          15              20              25
153      aaa gac acc tat atg cac tgg gtg aga cag cca cct gga cga ggt ctt      192
154      Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu
155          30              35              40              45
156      gag tgg att gga agg att gat cct gcg agt ggc gat act aaa tat gac      240
157      Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
158          50              55              60
159      ccg aag ttc cag gtc aga gtg aca atg ctg gta gac acc agc agc aac      288
160      Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
161          65              70              75
162      cag ttc agc ctg aga ctc agc agc gtg aca gcc gcc gac acc gcg gtc      336
163      Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
164          80              85              90
165      tat tat tgt gca gac gga atg tgg gta tca acg gga tat gct ctg gac      384
166      Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
167          95              100             105
168      ttc tgg ggc caa ggg acc acg gtc acc gtc tcc tca ggt gag tcc      429
169      Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
170      110              115              120
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 143
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
176 <220> FEATURE:
177 <221> NAME/KEY: SIGNAL
178 <222> LOCATION: (1)...(19)
179 <400> SEQUENCE: 6
180      Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
181          -15              -10              -5
182      Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
183          1              5              10
184      Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
185          15              20              25
186      Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu
187          30              35              40              45
188      Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
189          50              55              60
190      Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
191          65              70              75
192      Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
193          80              85              90
194      Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
195          95              100             105
196      Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
197      110              115              120
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 386
201 <212> TYPE: DNA

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RAW SEQUENCE LISTING

DATE: 11/06/2001

PATENT APPLICATION: US/09/234,290A

TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW

Output Set: N:\CRF3\11062001\I234290A.raw

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202 <213> ORGANISM: Homo sapiens
203 <220> FEATURE:
204 <221> NAME/KEY: CDS ✓
205 <222> LOCATION: (1)...(384)
206 <221> NAME/KEY: sig_peptide
207 <222> LOCATION: (1)...(57)
208 <221> NAME/KEY: mat_peptide ✓
209 <222> LOCATION: (58)...(384) ✓
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (0)...(0)
212 <223> OTHER INFORMATION: pBAG198 insert: VK2 (SVMDY) light chain variable
213     region
214 <400> SEQUENCE: 7
215     atg ggt tgg tcc tgc atc atc ctg ttc ctg gtt gct acc gct acc ggt      48
216     Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
217           -15                      -10                      -5
218     gtc cac tcc agc atc gtg atg acc cag agc cca agc agc ctg agc gcc      96
219     Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
220           1                      5                      10
221     agc gtg ggt gac aga gtg acc atc acc tgt aag gcc agt cag agt gtg      144
222     Ser Val Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val
223           15                      20                      25
224     act aat gat gta gct tgg tac cag cag aag cca ggt aag gct cca aag      192
225     Thr Asn Asp Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
226           30                      35                      40                      45
227     ctg ctg atc tac tat gca tcc aat cgc tac act ggt gtg cca gat aga      240
228     Leu Leu Ile Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg
229           50                      55                      60
230     ttc agc ggt agc ggt tat ggt acc gac ttc acc ttc acc atc agc agc      288
231     Phe Ser Gly Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser
232           65                      70                      75
233     ctc cag cca gag gac atc gcc acc tac tac tgc cag cag gat tat agc      336
234     Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Asp Tyr Ser
235           80                      85                      90
236     tct ccg tac acg ttc ggc caa ggg acc aag gtg gaa atc aaa cgt aag      384
237     Ser Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Lys
238           95                      100                      105
239     tg      386
241 <210> SEQ ID NO: 8
242 <211> LENGTH: 128
243 <212> TYPE: PRT
244 <213> ORGANISM: Homo sapiens
245 <220> FEATURE:
246 <221> NAME/KEY: SIGNAL
247 <222> LOCATION: (1)...(19)
248 <400> SEQUENCE: 8
249     Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
250           -15                      -10                      -5
251     Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala

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VERIFICATION SUMMARY

DATE: 11/06/2001

PATENT APPLICATION: US/09/234,290A

TIME: 15:54:04

Input Set : N:\jumbos\i234290a.RAW

Output Set: N:\CRF3\11062001\I234290A.raw

L:4 M:270 C: Current Application Number differs, Wrong Format

1642

RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/234,290A

TIME: 08:48:11

Input Set : A:\10274-008003.TXT

Output Set: N:\CRF3\10122001\I234290A.raw

4 <110> APPLICANT: Burkly, Linda C.
6 <120> TITLE OF INVENTION: TREATMENT FOR INSULIN DEPENDENT DIABETES
9 <130> FILE REFERENCE: 10274-008003
11 <140> CURRENT APPLICATION NUMBER: US 09/234,290A
12 <141> CURRENT FILING DATE: 1999-01-20
14 <150> PRIOR APPLICATION NUMBER: US 08/447,118
15 <151> PRIOR FILING DATE: 1995-05-22
17 <150> PRIOR APPLICATION NUMBER: US 08/029,330
18 <151> PRIOR FILING DATE: 1993-02-09
20 <150> PRIOR APPLICATION NUMBER: PCT/US94/01456
21 <151> PRIOR FILING DATE: 1994-02-09
23 <160> NUMBER OF SEQ ID NOS: 18
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 360
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (0)...(0)
35 <223> OTHER INFORMATION: pBAG159 insert: HP1/2 heavy chain variable region;
36 amino acid 1 is Glu (E) but Gln (Q) may be
37 substituted
40 <221> NAME/KEY: CDS
41 <222> LOCATION: (1)...(360)
43 <400> SEQUENCE: 1
44 gtc aaa ctg cag cag tct ggg gca gag ctt gtg aag cca ggg gcc tca 48
45 Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
46 1 5 10 15
48 gtc aag ttg tcc tgc aca gct tct ggc ttc aac att aaa gac acc tat 96
49 Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
50 20 25 30
52 atg cac tgg gtg aag cag agg cct gaa cag ggc ctg gag tgg att gga 144
53 Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
54 35 40 45
56 agg att gat cct gcg agt ggc gat act aaa tat gac ccg aag ttc cag 192
57 Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
58 50 55 60
60 gtc aag gcc act att aca gcg gac acg tcc tcc aac aca gcc tgg ctg 240
61 Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
62 65 70 75 80
64 cag ctc agc agc ctg aca tct gag gac act gcc gtc tac tac tgt gca 288
65 Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
66 85 90 95
68 gac gga atg tgg gta tca acg gga tat gct ctg gac ttc tgg ggc caa 336
69 Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
70 100 105 110

*Edit draft
Sealed 223 not
4 lines*

edited raw. All

RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/234,290A

TIME: 08:48:11

Input Set : A:\10274-008003.TXT

Output Set: N:\CRF3\10122001\I234290A.raw

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72 ggg acc acg gtc acc gtc tcc tca 360
73 Gly Thr Thr Val Thr Val Ser Ser
74 115 120
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 120
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 2
83 Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
84 1 5 10 15
85 Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
86 20 25 30
87 Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
88 35 40 45
89 Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
90 50 55 60
91 Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
92 65 70 75 80
93 Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
94 85 90 95
95 Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
96 100 105 110
97 Gly Thr Thr Val Thr Val Ser Ser
98 115 120
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 318
102 <212> TYPE: DNA
103 <213> ORGANISM: Homo sapiens
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (0)...(0)
108 <223> OTHER INFORMATION: pBAG172 insert: HP1/2 light chain variable region
110 <221> NAME/KEY: CDS
111 <222> LOCATION: (1)...(318)
112 <223> OTHER INFORMATION: HP1/2 light chain variable region
114 <400> SEQUENCE: 3
115 agt att gtg atg acc cag act ccc aaa ttc ctg ctt gtt tca gca gga 48
116 Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
117 1 5 10 15
119 gac agg gtt acc ata acc tgc aag gcc agt cag agt gtg act aat gat 96
120 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
121 20 25 30
123 gta gct tgg tac caa cag aag cca ggg cag tct cct aaa ctg ctg ata 144
124 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
125 35 40 45
127 tat tat gca tcc aat cgc tac act gga gtc cct gat cgc ttc act ggc 192
128 Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
129 50 55 60
131 agt gga tat ggg acg gat ttc act ttc acc atc agc act gtg cag gct 240

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/234,290A

DATE: 10/12/2001

TIME: 08:48:11

Input Set : A:\10274-008003.TXT

Output Set: N:\CRF3\10122001\I234290A.raw

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132 Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
133 65 70 75 80
135 gaa gac ctg gca gtt tat ttc tgt cag cag gat tat agc tct ccg tac 288
136 Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
137 85 90 95
139 acg ttc gga ggg ggg acc aag ctg gag atc 318
140 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
141 100 105
144 <210> SEQ ID NO: 4
145 <211> LENGTH: 106
146 <212> TYPE: PRT
147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 4
150 Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
151 1 5 10 15
152 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
153 20 25 30
154 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
155 35 40 45
156 Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
157 50 55 60
158 Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
159 65 70 75 80
160 Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
161 85 90 95
162 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
163 100 105
165 <210> SEQ ID NO: 5
166 <211> LENGTH: 429
167 <212> TYPE: DNA
168 <213> ORGANISM: Homo sapiens
170 <220> FEATURE:
171 <221> NAME/KEY: CDS
172 <222> LOCATION: (1)...(429)
174 <221> NAME/KEY: sig_peptide
175 <222> LOCATION: (1)...(57)
177 <221> NAME/KEY: mat_peptide
178 <222> LOCATION: (58)...(429)
180 <221> NAME/KEY: misc_feature
181 <222> LOCATION: (0)...(0)
182 <223> OTHER INFORMATION: pBAG195 insert: AS heavy chain variable region
184 <400> SEQUENCE: 5
185 atg gac tgg acc tgg agg gtc ttc tgc ttg ctg gct gta gca cca ggt 48
186 Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
187 -15 -10 -5
189 gcc cac tcc cag gtc caa ctg cag gag agc ggt cca ggt ctt gtg aga 96
190 Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
191 1 5 10
193 cct agc cag acc ctg agc ctg acc tgc acc gcg tct ggc ttc aac att 144

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RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/234,290A

TIME: 08:48:11

Input Set : A:\10274-008003.TXT

Output Set: N:\CRF3\10122001\I234290A.raw

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194 Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
195      15      20      25
197 aaa gac acc tat atg cac tgg gtg aga cag cca cct gga cga ggt ctt      192
198 Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Gly Arg Gly Leu
199 30      35      40      45
201 gag tgg att gga agg att gat cct gcg agt ggc gat act aaa tat gac      240
202 Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
203      50      55      60
205 ccg aag ttc cag gtc aga gtg aca atg ctg gta gac acc agc agc aac      288
206 Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
207      65      70      75
209 cag ttc agc ctg aga ctc agc agc gtg aca gcc gcc gac acc gcg gtc      336
210 Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
211      80      85      90
213 tat tat tgt gca gac gga atg tgg gta tca acg gga tat gct ctg gac      384
214 Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
215      95      100      105
217 ttc tgg ggc caa ggg acc acg gtc acc gtc tcc tca ggt gag tcc      429
218 Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
219 110      115      120
222 <210> SEQ ID NO: 6
223 <211> LENGTH: 143
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
227 <220> FEATURE:
228 <221> NAME/KEY: SIGNAL
229 <222> LOCATION: (1)...(19)
231 <400> SEQUENCE: 6
232 Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
233      -15      -10      -5
234 Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
235      1      5      10
236 Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
237      15      20      25
238 Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu
239 30      35      40      45
240 Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
241      50      55      60
242 Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
243      65      70      75
244 Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
245      80      85      90
246 Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
247      95      100      105
248 Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
249 110      115      120
251 <210> SEQ ID NO: 7
252 <211> LENGTH: 386
253 <212> TYPE: DNA

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RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/234,290A

TIME: 08:48:11

Input Set : A:\10274-008003.TXT

Output Set: N:\CRF3\10122001\I234290A.raw

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254 <213> ORGANISM: Homo sapiens
256 <220> FEATURE:
257 <221> NAME/KEY: CDS
258 <222> LOCATION: (1)...(384)
260 <221> NAME/KEY: sig_peptide
261 <222> LOCATION: (1)...(57)
263 <221> NAME/KEY: mat_peptide
264 <222> LOCATION: (58)...(384)
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: (0)...(0)
268 <223> OTHER INFORMATION: pBAG198 insert: VK2 (SVMDY) light chain variable
269     region
271 <400> SEQUENCE: 7
272 atg ggt tgg tcc tgc atc atc ctg ttc ctg gtt gct acc gct acc ggt      48
273 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
274           -15           -10           -5
276 gtc cac tcc agc atc gtg atg acc cag agc cca agc agc ctg agc gcc      96
277 Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
278           1           5           10
280 agc gtg ggt gac aga gtg acc atc acc tgt aag gcc agt cag agt gtg      144
281 Ser Val Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val
282       15           20           25
284 act aat gat gta gct tgg tac cag cag aag cca ggt aag gct cca aag      192
285 Thr Asn Asp Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
286 30           35           40           45
288 ctg ctg atc tac tat gca tcc aat cgc tac act ggt gtg cca gat aga      240
289 Leu Leu Ile Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg
290           50           55           60
292 ttc agc ggt agc ggt tat ggt acc gac ttc acc ttc acc atc agc agc      288
293 Phe Ser Gly Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser
294           65           70           75
296 ctc cag cca gag gac atc gcc acc tac tac tgc cag cag gat tat agc      336
297 Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Asp Tyr Ser
298       80           85           90
300 tct ccg tac acg ttc ggc caa ggg acc aag gtg gaa atc aaa cgt aag      384
301 Ser Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Lys
302       95           100          105
304 tg      386
306 <210> SEQ ID NO: 8
307 <211> LENGTH: 128
308 <212> TYPE: PRT
309 <213> ORGANISM: Homo sapiens
311 <220> FEATURE:
312 <221> NAME/KEY: SIGNAL
313 <222> LOCATION: (1)...(19)
315 <400> SEQUENCE: 8
316 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
317           -15           -10           -5
318 Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/234,290A

DATE: 10/12/2001

TIME: 08:48:12

Input Set : A:\10274-008003.TXT

Output Set: N:\CRF3\10122001\I234290A.raw

L:355 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:363 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:371 M:259 W: Allowed number of lines exceeded, <223> Other Information:

STATISTICS SUMMARY

PATENT APPLICATION: US/09/234,290A

DATE: 10/12/2001

TIME: 08:48:12

Input Set : A:\10274-008003.TXT

Output Set: N:\CRF3\10122001\I234290A.raw

Application Serial Number: US/09/234,290A

Alpha or Numeric: Numeric

Application Class:

Application File Date: 01-20-1999

Art Unit: 1642

Software Application: FastSeq

Total Number of Sequences: 18

Total Nucleotides: 3081

Total Amino Acids: 956

Number of Errors: 0

Number of Warnings: 3

Number of Corrections: 0

MESSAGE SUMMARY

259 W: 3 (Allowed number of lines exceeded)